Sheet 3 (C) of 15 ATTY, DOCKET NO. SERIAL NO. U.S. DEPARTMENT OF COMMERCE **SUBSTITUTE FORM PTO-1449** 10/711,764 PATENT AND TRADEMARK OFFICE **IBW319** (MODIFIED) APPLICANT INFORMATION DISCLOSURE STATEMENT BY APPLICANT Toshiharu Furukawa et al. GROUP (Use several sheets if necessary) FILING DATE October 4, 2004 2823 (37 CFR 1.98(b)) **U.S. PATENT DOCUMENTS** FILING DATE IF APPROPRIATE ISSUE EXAMINER SUBCLASS **CLASS** INITIAL PATENT NUMBER DATE PATENTEE Q.A C.B C.C C.D C.E C.F C.G C.H C.I C.J C.K FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS TRANSLATION **COUNTRY OR PUBLICATION** DOCUMENT SUBCLASS (YES/NO) PATENT OFFICE CLASS NUMBER DATE C.L C.M C.N C.0 C.P C.Q OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication) C-H. Klang, "Growth of Larger-Diameter Single-Walled Carbon Nanotubes," J.Phys. Chem. A 2000, 104, 2454-2456 C.R E.Ploenjes, et al, "Single-Walled Carbon Nanotube Synthesis in CO Laser Pumped Monoxide Plasma". Oct 10, 2001 C.S Y.Mo, et al, "The growth mechanism of carbon nanotubes from thermal cracking of acetylene over nickel catalyst supported on alumina," 2001 Elsevier Science B.V C.T DATE CONSIDERED EXAMINER

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Sheet 9(I) of 15 U.S. DEPARTMENT OF COMMERCE ATTY, DOCKET NO. SERIAL NO. SUBSTITUTE FORM PTO-1449 PATENT AND TRADEMARK OFFICE 10/711,764 IBM/319 (MODIFIED) APPLICANT INFORMATION DISCLOSURE STATEMENT BY APPLICANT Toshiharu Furukawa et al. **GROUP** (Use several sheets if necessary) FILING DATE 2823 October 4, 2004 (37 CFR 1.98(b)) **U.S. PATENT DOCUMENTS** FILING DATE IF APPROPRIATE ISSUE **EXAMINER** SUBCLASS CLASS INITIAL PATENT NUMBER DATE PATENTEE IA 1.8 I.C I.D 1.8 1.F 16 1.H LI. I.J I.K FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS TRANSLATION COUNTRY OR **PUBLICATION** DOCUMENT SUBCLASS (YES/NO) CLASS PATENT OFFICE NUMBER DATE I.L I.M I.N 1.0 1.P I.Q OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication) Z.Huang.: Z.F.Ren. "Growth of highly oriented carbon nanotubes by plasma-enhanced hot filament chemical vapor deposition." Applied Physics Letters, Vol 73, Number 26, 28 December 1998 I.R G.S. Duesberg et al., <u>Large-Scale Integration of Carbon Nanotubes Into Silicon Based Microelectronics</u>, Proceedings of the SPIE, Bellingham, VA, Vol. 5118, May 21, 2003 1.\$

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Furukawa et al., United States Patent Application Publication No. US 2005/0167655, Publication Date: August 4, 2005

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Sheet 10 (J) of 15 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY, DOCKET NO. SERIAL NO. SUBSTITUTE FORM PTO-1449 **IBM/319** 10/711,764 (MODIFIED) **APPLICANT** INFORMATION DISCLOSURE STATEMENT BY APPLICANT Toshiharu Furukawa et al. GROUP (Use several sheets if necessary) FILING DATE 2823 (37 CFR 1.98(b)) October 4, 2004 U.S. PATENT DOCUMENTS FILING DATE ISSUE EXAMINER SUBCLASS PATENTEE CLASS PATENT NUMBER INITIAL DATE JA J.B J.C J.D J.E J.F J.G JH J.1 J.J J.K FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS TRANSLATION **COUNTRY OR** DOCUMENT **PUBLICATION** SUBCLASS (YES/NO) CLASS PATENT OFFICE NUMBER DATE J.L J.M J.N J.0 J.P J.Q OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication) J.R

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